

Amendments to the Claims

The current listing of the claims replaces all previous amendments and listings of the claims.

1. (Currently Amended) A magnetic damper, comprising:
an operating element disposed on an actuator and configured to move by operation of the actuator;

a movable braking plate for receiving an operating element of an actuator, comprising a magnetic material and configured to contact the operating element at a stroke end; and

a stator for attracting comprising a permanent magnet or an electromagnet configured to attract the braking plate by a magnetic force,

wherein a magnetic attraction force acting between the stator and the braking plate are configured such that a magnetic attraction force acting therebetween is used as a braking force for stopping to stop the operating element.

2. (Currently Amended) The magnetic damper according to claim 1, wherein the braking plate ~~can absorb~~ is configured to attract the operating element by a magnetic force.

3. (Currently Amended) The magnetic damper according to claim 1, ~~wherein~~ further comprising:

a buffering member is disposed on an abutment surface of the braking plate with respect to the operating element.

4. (Currently Amended) The magnetic damper according to claim 2, ~~wherein~~ further comprising:

a buffering member is disposed on an abutment surface of the braking plate with respect to the operating element.

5. (Currently Amended) An actuator ~~having~~ comprising:

a magnetic damper comprising:

an operating element ~~which moves together~~ configured to move with a member ~~which takes out~~ taking an output[[,]]; and

a magnetic damper ~~which damps and stops~~ configured to damp and to stop the operating element at a stroke end,

wherein the magnetic damper ~~includes~~ comprises a movable braking plate ~~which receives the operating element~~ having a magnetic material and configured to contact the operating element at the stroke end, and a stator ~~which attracts~~ having a permanent magnet or an electromagnet configured to attract the braking plate by a magnetic force, and ~~a magnetic attraction force acting between~~ the stator and the braking plate are configured such that a magnetic attraction force acting therebetween is used as a braking force ~~for stopping to stop~~ the operating element.

6. (Currently Amended) An actuator ~~having, comprising:~~

a magnetic damper comprising:

cylindrical yokes having a pair of opposed polar teeth,

an exciting coil wound around the yokes,

an operating element having a cylindrical permanent magnet which is axially movably disposed in hollow portions of the yokes and which is provided with north pole and south pole polarized in its radial direction,

an output shaft connected to the operating element, and

a magnetic damper ~~which damps and stops~~ configured to damp and to stop the operating element at a stroke end,

wherein the magnetic damper ~~includes~~ comprises a movable braking plate ~~for receiving~~ configured to receive the operating element, and a stator ~~for attracting~~ configured to attract the braking plate by a magnetic force, the yokes are configured to function as the stator, and ~~a magnetic attraction force acting between~~ the yokes and the braking plate are

configured such that a magnetic attraction force acting therebetween is used as a braking force for stopping to stop the operating element.

7. (Currently Amended) ~~The An~~ actuator ~~according to claim 5, wherein, comprising:~~
a magnetic damper comprising:
an operating element configured to move together with a member taking an output,
and

a magnetic damper configured to damp and to stop the operating element at a stroke end,

wherein the magnetic damper comprises a movable braking plate configured to receive the operating element, and a stator configured to attract the braking plate by a magnetic force,

the stator and the braking plate are configured such that a magnetic attraction force acting therebetween acts as a braking force to stop the operating element, and

the operating element and braking plate can adsorb are configured to attract each other by a magnetic force.

8. (Currently Amended) The actuator according to claim 6, wherein the operating element and braking plate ~~can adsorb~~ are configured to attract each other by a magnetic force.

9. (Currently Amended) The actuator according to claim 5, ~~wherein~~ further comprising:

a buffering member is disposed on an abutment surface of the braking plate with respect to the operating element.

10. (Currently Amended) The actuator according to claim 6, ~~wherein~~ further comprising:

a buffering member is disposed on an abutment surface of the braking plate with respect to the operating element.

11. (Currently Amended) The actuator according to claim 7, ~~wherein~~ further comprising:

a buffering member is disposed on an abutment surface of the braking plate with respect to the operating element.

12. (Currently Amended) The actuator according to claim 8, ~~wherein~~ further comprising:

a buffering member is disposed on an abutment surface of the braking plate with respect to the operating element.

13. (Currently Amended) The actuator according to claim 6, wherein the braking plate ~~is formed into~~ has an annular shape and is disposed on side surfaces of the yokes ~~so as to adsorb on the side surfaces~~, and the shaft passes through the braking plate.

14. (Currently Amended) The actuator according to claim 13, wherein the operating element and the braking plate are ~~attractive with~~ configured to attract each other by magnetic force, and a cushioning member is disposed on a surface of the braking plate ~~that abuts~~ configured to abut the operating element.

15. (New) A magnetic damper, comprising:

a movable operating element;

a magnetic braking plate configured to contact the operating element at a stroke end;

and

a magnetic stator disposed such that a magnetic force between the braking plate and the stator damps a movement of the operating element.

16. (New) The magnetic damper according to claim 15, wherein the stator comprises at least one of a permanent magnet and an electromagnet.

17. (New) The magnetic damper according to claim 16, wherein the operating element is disposed on an actuator and is configured to move with the actuator.

18. (New) The magnetic damper according to claim 17, further comprising:

a buffering member disposed on a surface of the braking plate configured to contact the operating element.

19. (New) The magnetic damper according to claim 15, wherein the operating

element is formed of a permanent magnet or an electromagnet.